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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/750,990	12/28/2000	Jorn Borch Soc	674509-2028	9458

20999                      7590                      11/14/2007  
FROMMER LAWRENCE & HAUG  
745 FIFTH AVENUE- 10TH FL.  
NEW YORK, NY 10151

EXAMINER
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WONG, LESLIE A

ART UNIT	PAPER NUMBER
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1794

MAIL DATE	DELIVERY MODE
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11/14/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.	Applicant(s)	
09/750,990	SOE, JORN BORCH	
Examiner	Art Unit	
Leslie Wong	1794	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1)  Responsive to communication(s) filed on 10 December 2004.
- 2a)  This action is **FINAL**.                      2b)  This action is non-final.
- 3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4)  Claim(s) 70-79 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5)  Claim(s) \_\_\_\_\_ is/are allowed.
- 6)  Claim(s) 70-79 is/are rejected.
- 7)  Claim(s) \_\_\_\_\_ is/are objected to.
- 8)  Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9)  The specification is objected to by the Examiner.
- 10)  The drawing(s) filed on \_\_\_\_\_ is/are: a)  accepted or b)  objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a)  All    b)  Some \*    c)  None of:
- Certified copies of the priority documents have been received.
  - Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

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A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on June 1, 2004 has been entered.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 70-79 are rejected under 35 U.S.C. 102(b) as being anticipated by Van Den Ouweland et al (US PAT 5,695,802).

Van Den Ouweland et al teach the hydrolysis of triglycerides in fat-containing materials such as butter and oil, with water and a lipase from various microbes, including *Candida*, *Rhizopus*, *Mucor*, *Penicillium*, *Aspergillus*, *Pseudomonas fluorescens* (example 4), and *Mucor*. Van Den Ouweland et al teach application to a variety of foodstuffs, such as dairy products including ice cream (column 1, lines 4-21 and Examples 16 and 19). In the example 3, the butter was "heated for 15 minutes at 90° C to stop the hydrolysis". The reaction produced monoglycerides (col. 1), and further, "the hydrolysate thus obtained can be used as such, or it can be emulsified to form a homogeneous paste" (col. 4, lines 57-58). As the method steps are the same as

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those instantly claimed, and the claim limitations encompass the teachings of the reference, it would be expected that the same enzymatic reaction(s) would yield "an emulsifier" compound, as well as a by-product secondary compound(s).

Claims 70 and 75-79 are rejected under 35 U.S.C. 102(b) as being anticipated by Olesen et al (WO 94/040035).

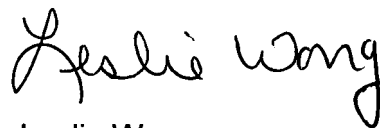
Olesen et al teach the addition of a lipase to dough products to be baked. The lipase may originate from various microbial sources, including *Rhizomucor* (*Mucor*), *Candida* and *Aspergillus* species. The lipase is added and maintained such that it is not inactivated until the dough is baked, thus allowing the enzyme to provide the desired effect. At pages 6 and 10, for example, it is clearly stated that the "lipase forms an 'in situ' emulsifier comprising mono- and diglycerides in dough." The dough or dough improver ingredients may comprise added fat (pg. 14), and also comprise further components, including sugars, sugar alcohols, other polyols, lactic acid or other organic acids (each may be added with the enzyme preparation, as stated at pg. 10), ascorbic acid, milk powder, salt and amino acids (pg. 11). Further, the dough components such as wheat flour/starch naturally contain several of these components, including proteins, amino acids, sugars, dextrans, etc., as well as the first component of a fatty acid ester. Thus, the claimed invention is anticipated by the reference.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leslie Wong whose telephone number is 571-272-1411. The examiner can normally be reached on Tuesday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Keith Hendricks can be reached on 571-272-1401. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Leslie Wong  
Primary Examiner  
Art Unit 1794

LAW  
November 9, 2007